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PATENT
Attorney Docket No.: 019957-013821US

Assistant Commissioner for Patents
Washington, D.C. 20231

On March 24, 2003

TOWNSEND and TOWNSEND and CREW LLP

By: MARK T. DAVIS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Shawn DeFrees, et al.

Application No.: 09/757,289

Filed: January 8, 2001

For: LOW COST MANUFACTURE OF
OLIGOSACCHARIDES

Examiner: Not Yet Assigned

Art Unit: 1652

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on attached form PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Also enclosed is a copy of the Search/Examination report corresponding to the European application.

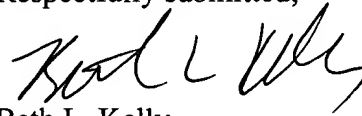
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



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| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | Complete if Known | | |
| | | | Application Number | 09/757,289 | |
| | | | Filing Date | January 8, 2001 | |
| | | | First Named Inventor | DeFrees, Shawn, et al. | |
| | | | Art Unit | 1652 | |
| | | | Examiner Name | Not Yet Assigned | |
| Sheet | 1 | of 1 | Attorney Docket Number | | 019957-013821US |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | |
|--|--------------------------|---|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | AA | Samain et al., "Gram-scale synthesis of recombinant chitooligosaccharides in <i>Escherichia coli</i> ", Carbohydrate Research 302: 35-42 (1997) | |
| | AB | Gilbert et al., "Cloning of the Lipooligosaccharide Alpha-2,3-sialyltransferase from the bacterial pathogens neisseria meningitidis and neisseria gonorrhoeae", Journal of Biological Chemistry 271:45:28271-28276 (1996) | |
| | AC | Bettler et al., "The Living Factory: in vivo production of N-acetylglucosamine containing carbohydrates in <i>E. coli</i> ", Glycoconjugate Journal 16:3:205-212 (1999) | |
| | AD | Samain et al., "Production of O-acetylated and sulfated chitooligosaccharides by recombinant <i>Escherichia coli</i> strains harboring different combinations of nod genes", Journal of Biotechnology 72:1-2:33-47 (1999) | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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